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RAW SEQUENCE LISTING　　　　　　　　DATE: 04/22/2002
PATENT APPLICATION:　US/09/982,532A　　TIME: 17:19:42

Input Set : A:\5432000010 Seqlist.ST25.txt
Output Set: N:\CRF3\04222002\I982532A.raw

ENTERED

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 3 <110> APPLICANT: Madsen, Soren
 4        Vrang, Astrid
 5        Bredmose, Lars
 6        Ravn, Peter
 7        Glenting, Jacob
 8        Johnson, Mads Gronvald
 9        Israelsen, Hans
11 <120> TITLE OF INVENTION: REGULATION OF PROMOTER ACTIVITY IN CELLS
13 <130> FILE REFERENCE: 54320.000010
15 <140> CURRENT APPLICATION NUMBER: US 09/982,532A
16 <141> CURRENT FILING DATE: 2001-10-19
18 <160> NUMBER OF SEQ ID NOS: 10
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 26
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Cy5 labelled ISS1.F1 primer
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34 <210> SEQ ID NO: 2
35 <211> LENGTH: 24
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Cy5 labelled ISS1.R1 primer
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47 <211> LENGTH: 899
48 <212> TYPE: DNA
49 <213> ORGANISM: Lactococcus lactis
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54 aaaaatcaag ctctgaagtt tgatttaaat gatttacata aaacatgtta taataaaggg  120
56 gttacagccc tgtatatggc gaaataaatg aataaaaaat agcgagtaga tgagtttaa  180
58 aatgaaagaa atggcaaacg taaacattga atatctaatc aatacactgg aacaaaaaaa  240
60 agtgagtgtt gtaacacgca aaaaacatag ttatatcatg tatcaaggga ttgaatcaga  300
62 atatatctat gtactcaaag atggtgtagc gaagattagc aatattttaa gagatggtcg  360
64 tgaatttaat attgcttatg ttgcggagcc agactttgtt tctttattgg aagagaaaca  420
66 aaacgatgga atttcagcat tatttaatgt acgaattgag tctccaacag ccagttttta  480
68 caaaatttca cgcagtgatt tttggaattg ggttcgtgag gatttgaatt tattcagagt  540
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70 tgttgatgac ttttataaac gaagactagc acttaattta gaaattcttc aaaagatgac     600
72 aatcaatggt aagaagggag cggtttgcgc ttgccttcac agtttgattg atgatttcgg     660
74 aataagaaaa aaagatggaa ttctgattga ttttaccgtc actaatgaag atattgcagg     720
76 tttttgtggt atttctacac gaaatagtgt taaccgtatt cttcatgatt taaaggatga     780
78 aaaagtaatt ggagtgattg ataataaaat tatgatttat aatcctcaat acttagaaga     840
80 atatattagt taatataaat aaataaaaaa gctactttaa gtagcttttt tgctataat      899
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84 <211> LENGTH: 227
85 <212> TYPE: PRT
86 <213> ORGANISM: Lactococcus lactis
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95             20                  25                  30
98 His Ser Tyr Ile Met Tyr Gln Gly Ile Glu Ser Glu Tyr Ile Tyr Val
99         35                  40                  45
102 Leu Lys Asp Gly Val Ala Lys Ile Ser Asn Ile Leu Arg Asp Gly Arg
103     50                  55                  60
106 Glu Phe Asn Ile Ala Tyr Val Ala Glu Pro Asp Phe Val Ser Leu Leu
107 65                  70                  75                  80
110 Glu Glu Lys Gln Asn Asp Gly Ile Ser Ala Leu Phe Asn Val Arg Ile
111                 85                  90                  95
114 Glu Ser Pro Thr Ala Ser Phe Tyr Lys Ile Ser Arg Ser Asp Phe Trp
115             100                 105                 110
118 Asn Trp Val Arg Glu Asp Leu Asn Leu Phe Arg Val Val Asp Asp Phe
119         115                 120                 125
122 Tyr Lys Arg Arg Leu Ala Leu Asn Leu Glu Ile Leu Gln Lys Met Thr
123     130                 135                 140
126 Ile Asn Gly Lys Lys Gly Ala Val Cys Ala Cys Leu His Ser Leu Ile
127 145                 150                 155                 160
130 Asp Asp Phe Gly Ile Arg Lys Lys Asp Gly Ile Leu Ile Asp Phe Thr
131                 165                 170                 175
134 Val Thr Asn Glu Asp Ile Ala Gly Phe Cys Gly Ile Ser Thr Arg Asn
135                 180                 185                 190
138 Ser Val Asn Arg Ile Leu His Asp Leu Lys Asp Glu Lys Val Ile Gly
139         195                 200                 205
142 Val Ile Asp Asn Lys Ile Met Ile Tyr Asn Pro Gln Tyr Leu Glu Glu
143     210                 215                 220
146 Tyr Ile Ser
147 225
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151 <211> LENGTH: 227
152 <212> TYPE: PRT
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165 His Ser Tyr Ile Met Tyr Gln Gly Ile Glu Ser Glu Tyr Ile Tyr Val
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170          50                55                60
173 Glu Phe Asn Ile Ala Tyr Val Ala Glu Pro Asp Phe Val Ser Leu Leu
174 65                70                75                80
177 Glu Glu Lys Gln Asn Asp Gly Ile Ser Ala Leu Phe Asn Val Arg Ile
178                85                90                95
181 Glu Ser Pro Thr Ala Ser Phe Tyr Lys Ile Ser Arg Ser Asp Phe Trp
182          100               105               110
185 Asn Trp Val Arg Glu Asp Leu Asn Leu Phe Arg Val Val Asp Asp Phe
186          115               120               125
189 Tyr Lys Arg Arg Leu Ala Leu Asn Leu Glu Ile Leu Gln Lys Met Thr
190     130               135               140
193 Ile Asn Gly Lys Lys Gly Ala Val Cys Ala Cys Leu His Ser Leu Ile
194 145               150               155               160
197 Asp Asp Phe Gly Ile Arg Lys Lys Asp Gly Ile Leu Ile Asp Phe Thr
198               165               170               175
201 Val Thr Asn Glu Asp Ile Ala Gly Phe Cys Gly Ile Ser Thr Arg Asn
202          180               185               190
205 Ser Val Asn Arg Ile Leu His Asp Leu Lys Asp Glu Lys Val Ile Gly
206          195               200               205
209 Val Ile Asp Asn Lys Ile Met Ile Tyr Asn Pro Gln Tyr Leu Glu Glu
210     210               215               220
213 Tyr Ile Ser
214 225
217 <210> SEQ ID NO: 6
218 <211> LENGTH: 237
219 <212> TYPE: PRT
220 <213> ORGANISM: Bacillus licheniformis
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229          20                25                30
232 Asp Thr Phe Leu Phe Gln Glu Gly Met Asp Ala Glu Glu Leu Tyr Leu
233          35                40                45
236 Ile Gln Ser Gly Leu Val Gln Ile Gly Lys Leu Thr Ser Asp Gly Lys
237     50                55                60
240 Glu Leu Thr Leu Arg Met Cys Lys Lys Asn Asp Ile Val Gly Glu Leu
241 65                70                75                80
244 Thr Leu Phe Thr Glu Asp Ala Lys Tyr Met Leu Ser Ala Lys Ile Leu
245               85                90                95
248 Ser Asp Gly Glu Val Leu Val Ile Asn Lys Asp Lys Leu Glu Lys Glu
249          100               105               110
252 Leu Ile Gln Asn Gly Ala Leu Thr Phe Glu Phe Met Lys Trp Met Ser
253          115               120               125
256 Thr His Leu Arg Lys Ile Gln Ser Lys Ile Arg Asp Leu Leu Leu Asn
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257      130                    135                    140
260 Gly Lys Lys Gly Ala Leu Tyr Ser Thr Leu Ile Arg Leu Ala Asn Ser
261 145                150                155                160
264 Tyr Gly Ile Thr Arg Ser Asp Gly Ile Leu Ile Asn Ile Val Leu Thr
265               165                170                175
268 Asn Gln Asp Leu Ala Lys Phe Cys Ala Ala Ala Arg Glu Ser Ile Asn
269          180                185                190
272 Arg Met Leu Ser Asp Leu Arg Lys Asn Gly Val Ile Ser Ile Glu Asp
273        195                200                205
276 Ser Gly Lys Ile Val Ile His Gln Ile Asn Tyr Leu Lys Arg Glu Ile
277      210                215                220
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285 <211> LENGTH: 11
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287 <213> ORGANISM: Lactobacillus lactis
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290 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (6)..(6)
292 <223> OTHER INFORMATION: n equals a, t, g or c
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299 <210> SEQ ID NO: 8
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302 <213> ORGANISM: Lactococcus lactis
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315 <211> LENGTH: 54
316 <212> TYPE: DNA
317 <213> ORGANISM: Lactobacillus lactis
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325 <212> TYPE: DNA
326 <213> ORGANISM: Lactobacillus lactis
328 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/22/2002
PATENT APPLICATION: US/09/982,532A   TIME: 17:19:43

Input Set : A:\5432000010 Seqlist.ST25.txt
Output Set: N:\CRF3\04222002\I982532A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 6
Seq#:8; N Pos. 6